

Overview of Transmission Issues for 33% Renewables by 2020

**2008 Energy Report Update Staff Workshop
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2007 Strategic Transmission Investment Plan Recommendations

- **Stakeholders should develop a roadmap for renewables.**
- **Energy Commission should participate in RETI and vet and integrate results into the next IEPR and Strategic Plan.**
- **Energy Commission should leverage its power plant licensing and transmission corridor designation authority.**

Report available at:

<http://www.energy.ca.gov/2007publications/CEC-700-2007-018/CEC-700-2007-018-CMF.PDF>



2007 Strategic Transmission Investment Plan Recommendations

- **Energy Commission should work with CPUC and CAISO to resolve issues associated with the CAISO interconnection queue.**
- **CPUC should continue to coordinate its generation procurement and transmission CPCN processes.**
- **CERTS should continue to address means to remove renewables integration barriers.**



Transmission Initiatives Underway to Address Major Barriers

- **Renewable Energy Transmission Initiative (RETI)**

Website: <http://www.energy.ca.gov/reti/index.html>

- **WECC TEPPC 2008 Study Plan**

Website:

<http://www.wecc.biz/documents/library/board/TEPPC/2008-TEPPC-Synch-Study-Plan-V7-Final.pdf>

- **WGA Western Renewable Energy Zones**

Website:

<http://www.westgov.org/wga/initiatives/wrez/index.htm>



Transmission Initiatives Underway to Address Major Barriers

- **CAISO Interconnection Queue Reform**

<http://www.caiso.com/1f42/1f42c00d28c30.html>

- **Energy Commission Transmission Corridor Designation**

<http://www.energy.ca.gov/sb1059/index.html>

- **CPUC Transmission Investigation I.08-03-010/Rulemaking R.08-03-009**

<http://docs.cpuc.ca.gov/published/proceedings/I0803010.htm>

<http://docs.cpuc.ca.gov/published/proceedings/R0803009.htm>



Supporting Initiatives that Address Major Transmission Barriers

- **DOE Solar Energy Development PEIS**

Website: <http://www.energy.ca.gov/siting/solar/peis/index.html>

- **Energy Commission renewable power plant siting cases**

Website: http://www.energy.ca.gov/sitingcases/all_projects.html



Supporting Initiatives that Address Major Transmission Barriers

- **PIER Transmission Research Program**

Website:

<http://www.energy.ca.gov/research/transmission/index.html>

- **Separate staff workshop on July 31 –
Emerging Technologies for Integration of
Renewables**

- Website:

http://www.energy.ca.gov/2008_energypolicy/documents/index.html#073108



Supporting Initiatives that Address Major Transmission Barriers

- **CPUC rulemaking to continue implementation of CA RPS Program**

Website:

<http://docs.cpuc.ca.gov/published/proceedings/R0605027.htm>

- **CPUC rulemaking to integrate and refine procurement policies R.08-02-007**

Website:

<http://docs.cpuc.ca.gov/published/proceedings/R0802007.htm>

- **Publicly-owned and investor-owned utility initiatives**



Purpose of 2008 and 2009 Energy Report Efforts

- **Identify status and progress to date of 2007 IEPR/STIP recommendations**
- **Develop plan of action/course correction as necessary to direct the 2009 effort**



Next Steps

- **[July 21 – staff workshop – Impacts of Higher Levels of Renewables on the Electricity System]**
- **July 29 – due date for written comments on today's workshop**
- **July 31 – staff workshop – Emerging Technologies for the Integration of Renewables**
- **August 21 – IEPR Committee Workshop: Achieving Higher Levels of Renewables in California's Electricity System**
- **September 11 – Release selected chapters of Committee Draft 2008 IEPR Update**
- **September 25 – IEPR Committee Hearing on selected chapters**
- **November 3 – Release Committee Final 2008 IEPR Update**
- **November 19 – Energy Commission adoption of 2008 IEPR Update**

